

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

Claims 1-9: (Canceled).

10. (Currently Amended) ~~Method~~ A method of manufacturing bundles wiring,
~~characterized in that the~~ of wires, the method comprising:

~~first step (a) comprises precise measurement of~~ precisely measuring lengths between the
~~neighbouring~~ neighboring junction points directly on ~~the~~ an object on the basis of an electric plan
~~and possible changes,~~

~~second step (b) comprising entering of these data~~ from said measuring lengths into the
~~computer program (10),~~

~~third step (c) comprises definition of~~ defining wire (3) types by one or more of wire
cross-sections, insulation colours ~~colors~~ in compliance with standards ~~one or more standards,~~
~~their and wire functions, e.g. phase earth duct, switch wire, and the like,~~

~~fourth step (d) comprises assignment of~~ assigning each wire (3) to one or more of a
corresponding fuse, junction units, e.g. connection boxes of the final consumer, e.g. lamp, wall
socket, cooker and the like and its ~~and a wire~~ location, e.g. kitchen,

~~fifth step (e) comprises arrangement of~~ arranging bundles (14) of wires (3) so as to be
fixed in terminal boards (15) manufactured by the device of the invention and labeled with an
unambiguous label (6) and the ~~a~~ respective electric installation elements, like connection boxes,
switches by adequate location in the building,

~~sixth step (f) comprises fitting of fitting junction elements, e.g. connection boxes into prepared holes in the a building and between them the prepared holes into the terminal boards (15) with bundles (14) of wires (3),~~

~~seventh step (g) comprises connection of connecting ends of wires (3) in junction points on the basis of suitability of all unambiguous labels (6) at the ends of wires (3) and other elements without requiring any knowledge of the an overall wiring diagram.~~

Claims 11-20: (Canceled).

21. (New) A method of manufacturing bundles of wires for installation in a building, the method comprising:

measuring lengths between neighboring junction points in the building on the basis of an electrical wiring plan;

defining each of a plurality of wire types by one or more of a cross-section, a standard insulation color, and a wiring function;

determining, for each of the plurality of wire types, a number of wires of each wire type;

assigning each of the wires to a corresponding type of connection box and a location in the building;

bundling selected ones of the wires into one or more bundles of wires;

labeling a plurality of the wires with associated unambiguous labels that separately identifies each of the plurality of wires;

arranging the one or more bundles of wires in a terminal board;

fitting connection boxes into holes in the building and, between selected connection boxes, installing the terminal board containing the one or more bundles of wires; and

connecting ends of the wires at the selected connection boxes on the basis of suitability of the associated unambiguous labels without requiring any knowledge of the electrical wiring plan.

22. (New) The method of claim 21, further comprising entering at least the measurement length data into a computer configured to define adequate bundles between neighboring junction points in the building.

23. (New) A computer-implemented method for manufacturing pre-fabricated bundles of wires for installation in a building, the method comprising using a computer programmed to carry out the functions of:

receiving, as an input, measured lengths between neighboring junction points in the building on the basis of an electric plan;

defining various wire types by one or more of a cross-section, a standard insulation color, and a wiring function;

assigning each of a plurality of wires determined by the electric plan to a corresponding type of connection box and a location in the building; and

determining unambiguous labels that identify each of the plurality of wires.

24. (New) The method of claim 23, further comprising causing the determined unambiguous labels to be printed.

25. (New) The method of claim 23, further comprising controlling the manufacturing of the pre-fabricated bundles of wires by receiving an electrical signal representing an actual length of wire being cut.

26. (New) The method of claim 23, wherein said determining unambiguous labels comprises ensuring that labels for a joint connection are identical.

27. (New) The method of claim 23, further comprising selecting an optimal terminal board with respect to a number of wires in a bundle.

28. (New) The method of claim 23, further comprising listing one or more junction elements including wall sockets, switches, and fuses, and linking each of the one or more junction elements to an individual location in the building